

FINAL CHARGE®

MILD-ACID HEAVY DUTY COOLING SYSTEM CLEANER

PRODUCT DESCRIPTION

FINAL CHARGE® Mild-Acid Heavy Duty Cooling System Cleaner is effective in removing heavy rust, scale, system deposits, oil, and fuel contamination from engine coolant systems.

Once the engine's coolant system is contaminated, water alone cannot clean the system. This cleaner addresses a wide range of contamination without harming the metal surfaces, gaskets, hoses, or plastic components.

BENEFITS

- Removes heavy corrosion, scale deposits, and oil contamination. Please refer to the respective performance chart for best results
- Removes contaminants without damaging system metals or elastomers, cleans cooling systems without leaving a film on heat transfer surfaces, and is an aluminum safe technology when used correctly

APPLICATIONS

- Automotive to Heavy Duty Applications
- Gasoline, Diesel or Natural Gas Engine Cooling Systems

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES
Appearance/Color	Visual	Clear/Undyed
pH	D1287	2.5
Density	D1122 or D5931	9.2 Lbs/Gallon
Treat Rate	D1121	7-10% By Volume In Water

PRODUCT AVAILABILITY

PART#	FSC003, 4/1-GAL
UPC	0-74804-07869-5
CASE UPC	0-74804-17869-2
SCC-14	1-00-74804-07869-2

SDS ID: 200021



Manufactured for Old World Industries, LLC, Northbrook, IL 60062 • (800) 289-7234
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PERFORMANCE CHART

PROBLEM	PERFORMANCE
Scale Deposits	Excellent
Rust & Corrosion	Excellent
Motor Oil, Grease & Fuel	Good
Machining Oil	Good
Solder Bloom	Good
Silicate Gel	Poor

DIRECTIONS FOR USE AND TREATMENT RATE

- **Does not offer freeze protection. Do not allow cooling system to freeze during cleaning operation!**
- Drain the cooling and/or heat transfer system and properly dispose of used coolant.
- Treat Rate is 7-10% Mild-Acid Heavy Duty Cooling System Cleaner by volume in water.
- Recirculate at 180°F for 1-2 hours, drain cleaning solution and flush to remove residual cleaner prior to filling with coolant or heat transfer fluid.
- Maximum recommended engine or application run time with any type of cleaner within the cooling or heat transfer system is 3 hours. Any prolonged usage may cause damage to system elastomers and corrode system soft metals.

The performance of FINAL CHARGE® Mild-Acid Heavy Duty Cooling System Cleaner is dependent on time, temperature, and concentration. A very scaled or flow restricted system, for example, may require higher concentrations of cleaner, higher temperature, or prolonged recirculation time not to exceed 3 hours. Extremely scaled or fouled systems may require more than one cleaning to effectively clean the heat transfer surfaces.

For technical support, call 1-800-477-5847